

Recommended Dosages of Hepatitis B Vaccine and Hepatitis B Immune Globulin Using Single-Antigen Vaccine

Hepatitis B Vaccine Recipient	Engerix-B® (GlaxoSmithKline)		Recombivax HB® (Merck)	
	Pediatric Formulation 10mcg (0.5mL) (or in prefilled syringes)	Adult Formulation 20mcg (1mL)	Pediatric/Adolescent Formulation 5mcg (0.5mL)	Adult Formulation 10mcg (1mL)
Newborns born to HBsAg (+) mothers*	10mcg (0.5mL) ¹ & (0.5mL) HBIG within 12 hours of birth		5mcg (0.5mL) ¹ & (0.5mL) HBIG within 12 hours of birth	
Newborns born to mothers whose HBsAg status is unknown*	10mcg (0.5mL) ¹ within 12 hours of birth; (0.5mL) HBIG should also be given within 7 days if mom's status remains unknown or sooner if found to be HBsAg (+)		5mcg (0.5mL) ¹ within 12 hours of birth; (0.5mL) HBIG should also be given within 7 days if mom's status remains unknown or sooner if found to be HBsAg (+)	
Newborns born to HBsAg (-) mothers*	10mcg (0.5mL) ¹		5mcg (0.5mL) ¹	
Birth - 19 years ²	10mcg (0.5mL) ¹		5mcg (0.5mL) ¹	
11 - 15 years ³				10mcg (1mL)
20 + years ²		20mcg (1mL)		10mcg (1mL)
Dialysis patients	10mcg (0.5mL)	40mcg (2mL) ⁴	5mcg (0.5mL)	40mcg (1mL) ⁵

*For newborns weighing less than 2000 g, see ([Hepatitis B Vaccine and Hepatitis B Immune Globulin Administration for Infants](#))

¹**Hepatitis B vaccine** is strongly recommended at birth. This birth dose MUST be a single antigen vaccine. A 4-dose hepatitis B series is approved in conjunction with Pediarix® or Comvax®. first three doses of DTaP and IPV vaccines). A 4-dose hepatitis B series is approved with a single-antigen dose of hepatitis B vaccine at birth followed by 3 additional doses of Pediarix®.

²**HBIG** (hepatitis B immune globulin) All susceptible contacts of an HBsAg (+) person, should receive a (0.06 mL/kg) dose of HBIG, within 7 days of a blood exposure, or within 14 days of a sexual exposure, along with the hepatitis B vaccine series.

³**Merck's 2-dose (adolescent)** hepatitis B vaccine series (using the adult formulation of Recombivax HB® 10mcg, 1 ml) is approved only for adolescents 11-15 years of age. The second dose should be administered 4-6 months after the first dose. If the 2-dose regimen is used, documentation must indicate that the adolescent received 2 adult 10mcg (1ml) doses of the Merck brand. If a child starts the hepatitis B series prior to age 11, starts the hepatitis B series between the ages of 11 and 15 with a hepatitis B vaccine other than the adult formulation of the Merck product, or completes the series after age 15, a 3-dose series should be administered. *This specific use of vaccine is not included in the VFC program.*

⁴**Engerix-B® dialysis formulation** is approved for adult hemodialysis patients by using 2 x 20mcg/1mL in one or two injections at 0, 1, 2 and 6 months.

⁵**Recombivax HB® dialysis formulation** is approved for pre-dialysis and dialysis patients in a three dose series of 40mcg/1mL at 0, 1, and 6 months.

Combination vaccines are not to be used prior to age 6 weeks, for information about the use of Comvax®, Pediarix®, and Twinrix® vaccines, see Recommended Dosages of Hepatitis B Vaccine and Hepatitis B Immune Globulin (HBIG) Including Hepatitis B Combination Vaccines.

For specific prescribing information, precautions, contraindications, and specific dialysis formulations, refer to product inserts.